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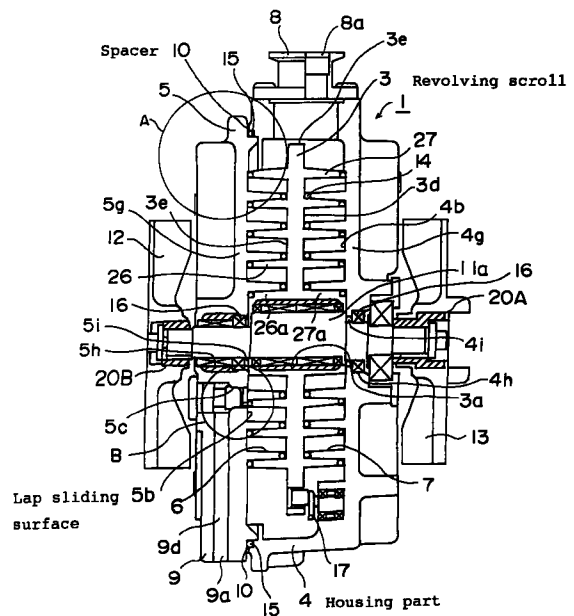
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(54) Scroll fluid apparatus

(57) In a scroll fluid apparatus comprising at least one stationary scroll and a revolving scroll 3 used in combination therewith, the scrolls have laps 6 and 26 with the thickness thereof reducing from the scroll body mirror-finished surfaces 3e and 5b toward the tips as $T1 > T2$ and $S1 > S2$, elastic tip seals 14 being fitted in tip seal grooves formed in the tips of the laps. The lap 26 is engaged with the lap 6 in a state deviated by a predetermined angle. The revolving scroll 3 is disposed in an inner space of a housing 4 such that it is pushed thereby toward the mirror-finished surface 5b of the stationary scroll. The housing 4 is mounted on the stationary scroll via a spacer 10 such that the gap between the laps facing each other can be adjusted according to the thickness of the spacer.

Fig. 1



EP 0 780 576 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 96 12 0525

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	EP 0 520 487 A (IWATA AIR COMPRESSOR MFG. CO. LTD.) 30 December 1992 * column 9, line 7 - line 14; figures 1,2 * -----	4-7	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 5 October 1998	Examiner Dimitroulas, P
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

EPO FORM 1503.03.82 (P04C01)

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-3

Scroll apparatus with gap adjusting spacer and method of adjusting the scroll position using the spacer

2. Claims: 4-7

Scroll apparatus with dynamic and static seals